

## Civil Engineering Database Keyword Index

The Civil Engineering Database (CEDB) is designed to provide free, easy bibliographic access to all ASCE publications. The database covers ASCE documents published since 1972. It provides access to all the journals, conference proceedings, books, standards, manuals, magazines, and newspapers. The index terms below were assigned to papers published in this journal during 2002 from a CEDB keyword list. The CEDB and keyword list can be accessed on the Web at <http://www.pubs.asce.org/cedbsrch.html>.

**Analytical techniques**

Analytic Model of Long-Span Self-Shored Arch Bridge. — Zhong Liu, Fang Li, and W. M. Kim Roddis; 7(1), 14-21 (2002).

**Arches**

Dynamic Analysis of Metallic Arch Railway Bridge. — R. Calçada, A. Cunha, and R. Delgado; 7(4), 214-22 (2002).

**Beams**

Moment-Inelastic Rotation Behavior of Longitudinally Stiffened Beams. — Mitsuru Ito, Eiki Karatani, and Yoshihide Komuro; 7(4), 223-8 (2002).

Reinforcing Transverse Glulam Deck Panels with Through-bolted Glulam Stiffener Beams: Theoretical Analysis. — Ray W. Witmer, Jr., Harvey B. Manbeck, John J. Janowiak, and Perry Schram; 7(6), 367-71 (2002).

**Bonding strength**

Performance of Overlays Placed Over Sealed Decks under Static and Fatigue Loading. — Jeremiah Cole, Arnol J. Gillum, and Bahram M. Shahrooz; 7(4), 206-13 (2002).

**Box girders**

Dynamic Behavior of Steel Deck Tension-Tied Arch Bridges to Seismic Excitation. — Morteza A. M. Torkamani and Hak E. Lee; 7(1), 57-67 (2002).

Literature Review in Analysis of Box-Girder Bridges. — Khaled M. Sennah and John B. Kennedy; 7(2), 134-43 (2002).

**Bridge**

Repair of 130-Year Old Masonry Bridge using High-Performance Cement Grout. — S. Perret, K. H. Khayat, E. Gagnon, and J. Rhazi; 7(1), 31-8 (2002).

**Bridge decks**

Performance of Overlays Placed Over Sealed Decks under Static and Fatigue Loading. — Jeremiah Cole, Arnol J. Gillum, and Bahram M. Shahrooz; 7(4), 206-13 (2002).

Finite-Element Modeling of Bridge Deck Connection Details. — Anthony H. DePiero, Robert K. Paasch, and Steven C. Lovejoy; 7(4), 229-35 (2002).

Response of Slab Bridges Before, During, and After Repair. — Bahram M. Shahrooz, Vijay Saraf, Bhushan Godbole, and Richard A. Miller; 7(5), 267-75 (2002).

Reinforcing Transverse Glulam Deck Panels with Through-bolted Glulam Stiffener Beams: Theoretical Analysis. — Ray W. Witmer, Jr., Harvey B. Manbeck, John J. Janowiak, and Perry Schram; 7(6), 367-71 (2002).

**Bridge design**

Performance Evaluation of Jointless Bridges. — Hemanth K. Thippeswamy, Hota V. S. GangaRao, and Jason M. Franco; 7(5), 276-89 (2002).

**Bridge foundations**

Strain Wedge Model Capability of Analyzing Behavior of Laterally Loaded Isolated Piles, Drilled Shafts, and Pile Groups. — Mohamed Ashour, Gary Norris, and Patrick Pilling; 7(4), 245-54 (2002).

**Bridges**

Improving the Response of Soil-Metal Structures during Construction. — Hesham Mohammed, John B. Kennedy, and Peter Smith; 7(1), 6-13 (2002).

Evaluation of Low-Temperature Test Methods for Elastomeric Bridge Bearings. — Ahmet Yakut and Joseph A. Yura; 7(1), 50-6 (2002).

Seismic Design of Lifeline Bridge using Hybrid Seismic Isolation. — Murat Dicleli; 7(2), 94-103 (2002).

Simple Probability-Based Assessment of Bridges under Scenario Earthquakes. — Giorgio Monti and Nicola Nisticò; 7(2), 104-14 (2002).

Squire Whipple—Father of Iron Bridges. — Francis E. Griggs, Jr.; 7(3), 146-55 (2002).

Large Shear Studs for Composite Action in Steel Bridge Girders. — Sameh S. Badie, Maher K. Tadros, Hussam F. Kakish, Darin L. Splittergerber, and Mantu C. Baishya; 7(3), 195-203 (2002).

Effects of Edge-Stiffening Elements and Diaphragms on Bridge Resistance and Load Distribution. — Christopher D. Eamon and Andrzej S. Nowak; 7(5), 258-66 (2002).

Response of Slab Bridges Before, During, and After Repair. — Bahram M. Shahrooz, Vijay Saraf, Bhushan Godbole, and Richard A. Miller; 7(5), 267-75 (2002).

Seismic Performance of Hollow High-Strength Concrete Bridge Columns. — Y. L. Mo and I. C. Nien; 7(6), 338-49 (2002).

**Bridges, arch**

Analytic Model of Long-Span Self-Shored Arch Bridge. — Zhong Liu, Fang Li, and W. M. Kim Roddis; 7(1), 14-21 (2002).

Dynamic Behavior of Steel Deck Tension-Tied Arch Bridges to Seismic Excitation. — Morteza A. M. Torkamani and Hak E. Lee; 7(1), 57-67 (2002).

**Bridges, box girder**

Distribution of Wheel Loads on Continuous Steel Spread-Box Girder Bridges. — Magdy Samaan, Khaled M. Sennah, and John B. Kennedy; 7(3), 175-83 (2002).

Shear Lag in Box Girder Bridges. — Q. Z. Luo, Q. S. Li, and J. Tang; 7(5), 308-13 (2002).

**Bridges, cable-stayed**

Design of Looping Cable Anchorage System for New San Francisco-Oakland Bay Bridge Main Suspension Span. — John Sun, Rafael Manzanarez, and Marwan Nader; 7(6), 315-24 (2002).

**Bridges, cantilever**

Kentucky River High Bridge. — Francis E. Griggs, Jr.; 7(2), 73-84 (2002).

**Bridges, concrete**

Measurements of Thermal Gradients and their Effects on Segmental Concrete Bridge. — Carin L. Roberts-Wollman, John E. Breen, and Jason Cawrse; 7(3), 166-74 (2002).

**Bridges, girder**

Single-Span Prestressed Girder Bridge: LRFD Design and Comparison. — Richard J. Nielsen and Edwin R. Schmeckpeper; 7(1), 22-30 (2002).

Field Evaluation of Decommissioned Noncomposite Steel Girder Bridge. — David V. Jáuregui, Joseph A. Yura, Karl H. Frank, and Sharon L. Wood; 7(1), 39-49 (2002).

Literature Review in Analysis of Box-Girder Bridges. — Khaled M. Sennah and John B. Kennedy; 7(2), 134-43 (2002).

Large Shear Studs for Composite Action in Steel Bridge Girders. — Sameh S. Badie, Maher K. Tadros, Hussam F. Kakish, Darin L. Splittergerber, and Mantu C. Baishya; 7(3), 195-203 (2002).

Moment-Inelastic Rotation Behavior of Longitudinally Stiffened Beams. — Mitsuru Ito, Eiki Karatani, and Yoshihide Komuro; 7(4), 223-8 (2002).

Flexural Reliability of Reinforced Concrete Bridge Girders Strengthened with Carbon Fiber-Reinforced Polymer Laminates. — Ayman M. Okeil, Sherif El-Tawil, and Mohsen Shahawy; 7(5), 290-9 (2002).

**Bridges, highway**

Refined Stick Model for Dynamic Analysis of Skew Highway Bridges. — J.-Y. Meng and E. M. Lui; 7(3), 184-94 (2002).

Dynamic Monitoring of Steel Girder Highway Bridge. — Jun Zhao and John T. DeWolf; 7(6), 350-6 (2002).

**Bridges, piers**

Analysis and Testing of Piles for Ship Impact Defenses. — Armin Patsch, Carlos F. Gerbaudo, and Carlos A. Prato; 7(4), 236-44 (2002).

## Civil Engineering Database Keyword Index

The Civil Engineering Database (CEDB) is designed to provide free, easy bibliographic access to all ASCE publications. The database covers ASCE documents published since 1972. It provides access to all the journals, conference proceedings, books, standards, manuals, magazines, and newspapers. The index terms below were assigned to papers published in this journal during 2002 from a CEDB keyword list. The CEDB and keyword list can be accessed on the Web at <http://www.pubs.asce.org/cedbsrch.html>.

**Analytical techniques**

Analytic Model of Long-Span Self-Shored Arch Bridge. — Zhong Liu, Fang Li, and W. M. Kim Roddis; 7(1), 14-21 (2002).

**Arches**

Dynamic Analysis of Metallic Arch Railway Bridge. — R. Calçada, A. Cunha, and R. Delgado; 7(4), 214-22 (2002).

**Beams**

Moment-Inelastic Rotation Behavior of Longitudinally Stiffened Beams. — Mitsuru Ito, Eiki Karatani, and Yoshihide Komuro; 7(4), 223-8 (2002).

Reinforcing Transverse Glulam Deck Panels with Through-bolted Glulam Stiffener Beams: Theoretical Analysis. — Ray W. Witmer, Jr., Harvey B. Manbeck, John J. Janowiak, and Perry Schram; 7(6), 367-71 (2002).

**Bonding strength**

Performance of Overlays Placed Over Sealed Decks under Static and Fatigue Loading. — Jeremiah Cole, Arnol J. Gillum, and Bahram M. Shahrooz; 7(4), 206-13 (2002).

**Box girders**

Dynamic Behavior of Steel Deck Tension-Tied Arch Bridges to Seismic Excitation. — Morteza A. M. Torkamani and Hak E. Lee; 7(1), 57-67 (2002).

Literature Review in Analysis of Box-Girder Bridges. — Khaled M. Sennah and John B. Kennedy; 7(2), 134-43 (2002).

**Bridge**

Repair of 130-Year Old Masonry Bridge using High-Performance Cement Grout. — S. Perret, K. H. Khayat, E. Gagnon, and J. Rhazi; 7(1), 31-8 (2002).

**Bridge decks**

Performance of Overlays Placed Over Sealed Decks under Static and Fatigue Loading. — Jeremiah Cole, Arnol J. Gillum, and Bahram M. Shahrooz; 7(4), 206-13 (2002).

Finite-Element Modeling of Bridge Deck Connection Details. — Anthony H. DePiero, Robert K. Paasch, and Steven C. Lovejoy; 7(4), 229-35 (2002).

Response of Slab Bridges Before, During, and After Repair. — Bahram M. Shahrooz, Vijay Saraf, Bhushan Godbole, and Richard A. Miller; 7(5), 267-75 (2002).

Reinforcing Transverse Glulam Deck Panels with Through-bolted Glulam Stiffener Beams: Theoretical Analysis. — Ray W. Witmer, Jr., Harvey B. Manbeck, John J. Janowiak, and Perry Schram; 7(6), 367-71 (2002).

**Bridge design**

Performance Evaluation of Jointless Bridges. — Hemanth K. Thippeswamy, Hota V. S. GangaRao, and Jason M. Franco; 7(5), 276-89 (2002).

**Bridge foundations**

Strain Wedge Model Capability of Analyzing Behavior of Laterally Loaded Isolated Piles, Drilled Shafts, and Pile Groups. — Mohamed Ashour, Gary Norris, and Patrick Pilling; 7(4), 245-54 (2002).

**Bridges**

Improving the Response of Soil-Metal Structures during Construction. — Hesham Mohammed, John B. Kennedy, and Peter Smith; 7(1), 6-13 (2002).

Evaluation of Low-Temperature Test Methods for Elastomeric Bridge Bearings. — Ahmet Yakut and Joseph A. Yura; 7(1), 50-6 (2002).

Seismic Design of Lifeline Bridge using Hybrid Seismic Isolation. — Murat Dicleli; 7(2), 94-103 (2002).

Simple Probability-Based Assessment of Bridges under Scenario Earthquakes. — Giorgio Monti and Nicola Nisticò; 7(2), 104-14 (2002).

Squire Whipple—Father of Iron Bridges. — Francis E. Griggs, Jr.; 7(3), 146-55 (2002).

Large Shear Studs for Composite Action in Steel Bridge Girders. — Sameh S. Badie, Maher K. Tadros, Hussam F. Kakish, Darin L. Splittergerber, and Mantu C. Baishya; 7(3), 195-203 (2002).

Effects of Edge-Stiffening Elements and Diaphragms on Bridge Resistance and Load Distribution. — Christopher D. Eamon and Andrzej S. Nowak; 7(5), 258-66 (2002).

Response of Slab Bridges Before, During, and After Repair. — Bahram M. Shahrooz, Vijay Saraf, Bhushan Godbole, and Richard A. Miller; 7(5), 267-75 (2002).

Seismic Performance of Hollow High-Strength Concrete Bridge Columns. — Y. L. Mo and I. C. Nien; 7(6), 338-49 (2002).

**Bridges, arch**

Analytic Model of Long-Span Self-Shored Arch Bridge. — Zhong Liu, Fang Li, and W. M. Kim Roddis; 7(1), 14-21 (2002).

Dynamic Behavior of Steel Deck Tension-Tied Arch Bridges to Seismic Excitation. — Morteza A. M. Torkamani and Hak E. Lee; 7(1), 57-67 (2002).

**Bridges, box girder**

Distribution of Wheel Loads on Continuous Steel Spread-Box Girder Bridges. — Magdy Samaan, Khaled M. Sennah, and John B. Kennedy; 7(3), 175-83 (2002).

Shear Lag in Box Girder Bridges. — Q. Z. Luo, Q. S. Li, and J. Tang; 7(5), 308-13 (2002).

**Bridges, cable-stayed**

Design of Looping Cable Anchorage System for New San Francisco-Oakland Bay Bridge Main Suspension Span. — John Sun, Rafael Manzanarez, and Marwan Nader; 7(6), 315-24 (2002).

**Bridges, cantilever**

Kentucky River High Bridge. — Francis E. Griggs, Jr.; 7(2), 73-84 (2002).

**Bridges, concrete**

Measurements of Thermal Gradients and their Effects on Segmental Concrete Bridge. — Carin L. Roberts-Wollman, John E. Breen, and Jason Cawrse; 7(3), 166-74 (2002).

**Bridges, girder**

Single-Span Prestressed Girder Bridge: LRFD Design and Comparison. — Richard J. Nielsen and Edwin R. Schmeckpeper; 7(1), 22-30 (2002).

Field Evaluation of Decommissioned Noncomposite Steel Girder Bridge. — David V. Jáuregui, Joseph A. Yura, Karl H. Frank, and Sharon L. Wood; 7(1), 39-49 (2002).

Literature Review in Analysis of Box-Girder Bridges. — Khaled M. Sennah and John B. Kennedy; 7(2), 134-43 (2002).

Large Shear Studs for Composite Action in Steel Bridge Girders. — Sameh S. Badie, Maher K. Tadros, Hussam F. Kakish, Darin L. Splittergerber, and Mantu C. Baishya; 7(3), 195-203 (2002).

Moment-Inelastic Rotation Behavior of Longitudinally Stiffened Beams. — Mitsuru Ito, Eiki Karatani, and Yoshihide Komuro; 7(4), 223-8 (2002).

Flexural Reliability of Reinforced Concrete Bridge Girders Strengthened with Carbon Fiber-Reinforced Polymer Laminates. — Ayman M. Okeil, Sherif El-Tawil, and Mohsen Shahawy; 7(5), 290-9 (2002).

**Bridges, highway**

Refined Stick Model for Dynamic Analysis of Skew Highway Bridges. — J.-Y. Meng and E. M. Lui; 7(3), 184-94 (2002).

Dynamic Monitoring of Steel Girder Highway Bridge. — Jun Zhao and John T. DeWolf; 7(6), 350-6 (2002).

**Bridges, piers**

Analysis and Testing of Piles for Ship Impact Defenses. — Armin Patsch, Carlos F. Gerbaudo, and Carlos A. Prato; 7(4), 236-44 (2002).

## **Bridges, railroad**

- Kentucky River High Bridge. — Francis E. Griggs, Jr.; 7(2), 73-84 (2002).
- Dynamic Analysis of Metallic Arch Railway Bridge. — R. Calçada, A. Cunha, and R. Delgado; 7(4), 214-22 (2002).

## **Bridges, skew**

- Refined Stick Model for Dynamic Analysis of Skew Highway Bridges. — J.-Y. Meng and E. M. Lui; 7(3), 184-94 (2002).

## **Bridges, spans**

- Analytic Model of Long-Span Self-Shored Arch Bridge. — Zhong Liu, Fang Li, and W. M. Kim Roddis; 7(1), 14-21 (2002).

- Single-Span Prestressed Girder Bridge: LRFD Design and Comparison. — Richard J. Nielsen and Edwin R. Schmeckpeper; 7(1), 22-30 (2002).

- Seismic Performance of Multisimple-Span Bridges Retrofitted with Link Slabs. — A. Caner, E. Dogan, and P. Zia; 7(2), 85-93 (2002).

## **Bridges, steel**

- Optimization of HPS 70W Applications. — Edward P. Wasserman; 7(1), 1-5 (2002).

- Field Evaluation of Decommissioned Noncomposite Steel Girder Bridge. — David V. Jáuregui, Joseph A. Yura, Karl H. Frank, and Sharon L. Wood; 7(1), 39-49 (2002).

- Large Shear Studs for Composite Action in Steel Bridge Girders. — Sameh S. Badie, Maher K. Tadros, Hussam F. Kakish, Darin L. Splittgerber, and Mantu C. Baishya; 7(3), 195-203 (2002).

- Finite-Element Modeling of Bridge Deck Connection Details. — Anthony H. DePiero, Robert K. Paasch, and Steven C. Lovejoy; 7(4), 229-35 (2002).

- Dynamic Monitoring of Steel Girder Highway Bridge. — Jun Zhao and John T. DeWolf; 7(6), 350-6 (2002).

- Extreme Thermal Loading on Steel Bridges in Tropical Region. — Man Tong, Leslie G. Tham, and Francis T. K. Au; 7(6), 357-66 (2002).

## **Bridges, suspension**

- Analytical and Field Investigation of Roma Suspension Bridge. — Domenic A. Coletti; 7(3), 156-65 (2002).

- Cable Erection Test at Splay Band for Spatial Suspension Bridge. — Heungbae Gil and Youngjae Choi; 7(5), 300-7 (2002).

- Design of Looping Cable Anchorage System for New San Francisco-Oakland Bay Bridge Main Suspension Span. — John Sun, Rafael Manzanarez, and Marwan Nader; 7(6), 315-24 (2002).

- Response Spectrum Analysis of Suspension Bridges for Random Ground Motion. — Said M. Allam and T. K. Datta; 7(6), 325-37 (2002).

## **Buckling**

- Moment-Inelastic Rotation Behavior of Longitudinally Stiffened Beams. — Mitsuru Ito, Eiki Karatani, and Yoshihide Komuro; 7(4), 223-8 (2002).

## **Cables**

- Cable Erection Test at Splay Band for Spatial Suspension Bridge. — Heungbae Gil and Youngjae Choi; 7(5), 300-7 (2002).

## **California**

- Design of Looping Cable Anchorage System for New San Francisco-Oakland Bay Bridge Main Suspension Span. — John Sun, Rafael Manzanarez, and Marwan Nader; 7(6), 315-24 (2002).

## **Cement grouts**

- Repair of 130-Year Old Masonry Bridge using High-Performance Cement Grout. — S. Perret, K. H. Khayat, E. Gagnon, and J. Rhazi; 7(1), 31-8 (2002).

## **China**

- Analytic Model of Long-Span Self-Shored Arch Bridge. — Zhong Liu, Fang Li, and W. M. Kim Roddis; 7(1), 14-21 (2002).

## **Columns**

- Seismic Performance of Hollow High-Strength Concrete Bridge Columns. — Y. L. Mo and I. C. Nien; 7(6), 338-49 (2002).

## **Composite materials**

- Large Shear Studs for Composite Action in Steel Bridge Girders. — Sameh S. Badie, Maher K. Tadros, Hussam F. Kakish, Darin L. Splittgerber, and Mantu C. Baishya; 7(3), 195-203 (2002).

- Flexural Reliability of Reinforced Concrete Bridge Girders Strengthened with Carbon Fiber-Reinforced Polymer Laminates. — Ayman M. Okeil, Sherif El-Tawil, and Mohsen Shahawy; 7(5), 290-9 (2002).

## **Concrete slab**

- Response of Slab Bridges Before, During, and After Repair. — Bahram M. Shahrooz, Vijay Saraf, Bhushan Godbole, and Richard A. Miller; 7(5), 267-75 (2002).

## **Concrete, prestressed**

- Measurements of Thermal Gradients and their Effects on Segmental Concrete Bridge. — Carin L. Roberts-Wollman, John E. Breen, and Jason Cawse; 7(3), 166-74 (2002).

## **Concrete, reinforced**

- Analytic Model of Long-Span Self-Shored Arch Bridge. — Zhong Liu, Fang Li, and W. M. Kim Roddis; 7(1), 14-21 (2002).

## **Connections**

- Finite-Element Modeling of Bridge Deck Connection Details. — Anthony H. DePiero, Robert K. Paasch, and Steven C. Lovejoy; 7(4), 229-35 (2002).

## **Connections, bolted**

- Reinforcing Transverse Glulam Deck Panels with Through-bolted Glulam Stiffener Beams: Theoretical Analysis. — Ray W. Witmer, Jr., Harvey B. Manbeck, John J. Janowiak, and Perry Schram; 7(6), 367-71 (2002).

## **Corrosion**

- Simulated Field Testing of High Performance Grouts for Post-Tensioning. — A. J. Schokker, John E. Breen, and M. E. Kreger; 7(2), 127-33 (2002).

## **Coverings**

- Performance of Overlays Placed Over Sealed Decks under Static and Fatigue Loading. — Jeremiah Cole, Arnol J. Gillum, and Bahram M. Shahrooz; 7(4), 206-13 (2002).

## **Damping**

- Seismic Design of Lifeline Bridge using Hybrid Seismic Isolation. — Murat Dicleli; 7(2), 94-103 (2002).

## **Design**

- Design of Looping Cable Anchorage System for New San Francisco-Oakland Bay Bridge Main Suspension Span. — John Sun, Rafael Manzanarez, and Marwan Nader; 7(6), 315-24 (2002).

## **Drilled shafts**

- Strain Wedge Model Capability of Analyzing Behavior of Laterally Loaded Isolated Piles, Drilled Shafts, and Pile Groups. — Mohamed Ashour, Gary Norris, and Patrick Pilling; 7(4), 245-54 (2002).

## **Ductility**

- Seismic Performance of Hollow High-Strength Concrete Bridge Columns. — Y. L. Mo and I. C. Nien; 7(6), 338-49 (2002).

## **Dynamic analysis**

- Refined Stick Model for Dynamic Analysis of Skew Highway Bridges. — J.-Y. Meng and E. M. Lui; 7(3), 184-94 (2002).

- Dynamic Analysis of Metallic Arch Railway Bridge. — R. Calçada, A. Cunha, and R. Delgado; 7(4), 214-22 (2002).

## **Dynamic properties**

- Dynamic Monitoring of Steel Girder Highway Bridge. — Jun Zhao and John T. DeWolf; 7(6), 350-6 (2002).

## **Earth reinforcement**

- Improving the Response of Soil-Metal Structures during Construction. — Hesham Mohammed, John B. Kennedy, and Peter Smith; 7(1), 6-13 (2002).

## **Earthquake excitation**

- Dynamic Behavior of Steel Deck Tension-Tied Arch Bridges to Seismic Excitation. — Morteza A. M. Torkamani and Hak E. Lee; 7(1), 57-67 (2002).

## **Earthquakes**

- Simple Probability-Based Assessment of Bridges under Scenario Earthquakes. — Giorgio Monti and Nicola Nisticò; 7(2), 104-14 (2002).

## **Edge effect**

- Effects of Edge-Stiffening Elements and Diaphragms on Bridge Resistance and Load Distribution. — Christopher D. Eamon and Andrzej S. Nowak; 7(5), 258-66 (2002).

## **Elasticity**

- Literature Review in Analysis of Box-Girder Bridges. — Khaled M. Sennah and John B. Kennedy; 7(2), 134-43 (2002).

## **Elastomer**

- Evaluation of Low-Temperature Test Methods for Elastomeric Bridge Bearings. — Ahmet Yakut and Joseph A. Yura; 7(1), 50-6 (2002).

## **Engineers**

- Squire Whipple—Father of Iron Bridges. — Francis E. Griggs, Jr.; 7(3), 146-55 (2002).

## **Epoxy coatings**

- Performance of Overlays Placed Over Sealed Decks under Static and Fatigue Loading. — Jeremiah Cole, Arnol J. Gillum, and Bahram M. Shahrooz; 7(4), 206-13 (2002).

## **Evaluation**

- Performance Evaluation of Jointless Bridges. — Hemanth K. Thippeswamy, Hota V. S. GangaRao, and Jason M. Franco; 7(5), 276-89 (2002).

### Expansion joints

Seismic Performance of Multisimple-Span Bridges Retrofitted with Link Slabs. — A. Caner, E. Dogan, and P. Zia; 7(2), 85-93 (2002).

### Failure modes

Seismic Performance of Hollow High-Strength Concrete Bridge Columns. — Y. L. Mo and I. C. Nien; 7(6), 338-49 (2002).

### Falsework

Analytic Model of Long-Span Self-Shored Arch Bridge. — Zhong Liu, Fang Li, and W. M. Kim Roddis; 7(1), 14-21 (2002).

### Field investigations

Analytical and Field Investigation of Roma Suspension Bridge. — Domenic A. Coletti; 7(3), 156-65 (2002).

### Field tests

Response of Slab Bridges Before, During, and After Repair. — Bahram M. Shahrooz, Vijay Saraf, Bhushan Godbole, and Richard A. Miller; 7(5), 267-75 (2002).

### Finite elements

Distribution of Wheel Loads on Continuous Steel Spread-Box Girder Bridges. —Magdy Samaan, Khaled M. Sennah, and John B. Kennedy; 7(3), 175-83 (2002).

### Finite-element method

Finite-Element Modeling of Bridge Deck Connection Details. —Anthony H. DePiero, Robert K. Paasch, and Steven C. Lovejoy; 7(4), 229-35 (2002).

### Friction

Seismic Design of Lifeline Bridge using Hybrid Seismic Isolation. —Murat Dicleli; 7(2), 94-103 (2002).

### Glue laminated materials

Reinforcing Transverse Glulam Deck Panels with Through-bolted Glulam Stiffener Beams: Theoretical Analysis. —Ray W. Witmer, Jr., Harvey B. Manbeck, John J. Janowiak, and Perry Schram; 7(6), 367-71 (2002).

### Ground motion

Response Spectrum Analysis of Suspension Bridges for Random Ground Motion. —Said M. Allam and T. K. Datta; 7(6), 325-37 (2002).

### Grout

Simulated Field Testing of High Performance Grouts for Post-Tensioning. —A. J. Schokker, John E. Breen, and M. E. Kreger; 7(2), 127-33 (2002).

### Heat transfer

Extreme Thermal Loading on Steel Bridges in Tropical Region. —Man Tong, Leslie G. Tham, and Francis T. K. Au; 7(6), 357-66 (2002).

### High strength concretes

Seismic Performance of Hollow High-Strength Concrete Bridge Columns. —Y. L. Mo and I. C. Nien; 7(6), 338-49 (2002).

### High-strength steel

Optimization of HPS 70W Applications. —Edward P. Wasserman; 7(1), 1-5 (2002).

### History

Kentucky River High Bridge. —Francis E. Griggs, Jr.; 7(2), 73-84 (2002).

Squire Whipple—Father of Iron Bridges. —Francis E. Griggs, Jr.; 7(3), 146-55 (2002).

### Impact forces

Analysis and Testing of Piles for Ship Impact Defenses. —Armin Patsch, Carlos F. Gerbaudo, and Carlos A. Prato; 7(4), 236-44 (2002).

### Inelastic action

Moment-Inelastic Rotation Behavior of Longitudinally Stiffened Beams. —Mitsuru Ito, Eiki Karatani, and Yoshihide Komuro; 7(4), 223-8 (2002).

### Joints

Performance Evaluation of Jointless Bridges. —Hemanth K. Thippeswamy, Hota V. S. GangaRao, and Jason M. Franco; 7(5), 276-89 (2002).

### Kentucky

Kentucky River High Bridge. —Francis E. Griggs, Jr.; 7(2), 73-84 (2002).

### Korea

Cable Erection Test at Splay Band for Spatial Suspension Bridge. —Heungbae Gil and Youngjae Choi; 7(5), 300-7 (2002).

### Lateral loads

Strain Wedge Model Capability of Analyzing Behavior of Laterally Loaded Isolated Piles, Drilled Shafts, and Pile Groups. —Mohamed Ashour, Gary Norris, and Patrick Pilling; 7(4), 245-54 (2002).

### Load and resistance factor design

Single-Span Prestressed Girder Bridge: LRFD Design and Comparison. —Richard J. Nielsen and Edwin R. Schmeckpeper; 7(1), 22-30 (2002).

### Load distribution

Field Evaluation of Decommissioned Noncomposite Steel Girder Bridge. —David V. Jáuregui, Joseph A. Yura, Karl H. Frank, and Sharon L. Wood; 7(1), 39-49 (2002).

Distribution of Wheel Loads on Continuous Steel Spread-Box Girder Bridges. —Magdy Samaan, Khaled M. Sennah, and John B. Kennedy; 7(3), 175-83 (2002).

Effects of Edge-Stiffening Elements and Diaphragms on Bridge Resistance and Load Distribution. —Christopher D. Eamon and Andrzej S. Nowak; 7(5), 258-66 (2002).

### Load tests

Field Evaluation of Decommissioned Noncomposite Steel Girder Bridge. —David V. Jáuregui, Joseph A. Yura, Karl H. Frank, and Sharon L. Wood; 7(1), 39-49 (2002).

Response of Slab Bridges Before, During, and After Repair. —Bahram M. Shahrooz, Vijay Saraf, Bhushan Godbole, and Richard A. Miller; 7(5), 267-75 (2002).

### Masonry

Repair of 130-Year Old Masonry Bridge using High-Performance Cement Grout. —S. Perret, K. H. Khayat, E. Gagnon, and J. Rhazi; 7(1), 31-8 (2002).

### Metals

Improving the Response of Soil-Metal Structures during Construction. —Hesham Mohammed, John B. Kennedy, and Peter Smith; 7(1), 6-13 (2002).

### Modal analysis

Dynamic Behavior of Steel Deck Tension-Tied Arch Bridges to Seismic Excitation. —Morteza A. M. Torkamani and Hak E. Lee; 7(1), 57-67 (2002).

### Monitoring

Dynamic Monitoring of Steel Girder Highway Bridge. —Jun Zhao and John T. DeWolf; 7(6), 350-6 (2002).

### Nondestructive tests

Repair of 130-Year Old Masonry Bridge using High-Performance Cement Grout. —S. Perret, K. H. Khayat, E. Gagnon, and J. Rhazi; 7(1), 31-8 (2002).

### Optimization

Optimization of HPS 70W Applications. —Edward P. Wasserman; 7(1), 1-5 (2002).

### Overload

Field Evaluation of Decommissioned Noncomposite Steel Girder Bridge. —David V. Jáuregui, Joseph A. Yura, Karl H. Frank, and Sharon L. Wood; 7(1), 39-49 (2002).

### Panels

Reinforcing Transverse Glulam Deck Panels with Through-bolted Glulam Stiffener Beams: Theoretical Analysis. —Ray W. Witmer, Jr., Harvey B. Manbeck, John J. Janowiak, and Perry Schram; 7(6), 367-71 (2002).

### Performance

Simulated Field Testing of High Performance Grouts for Post-Tensioning. —A. J. Schokker, John E. Breen, and M. E. Kreger; 7(2), 127-33 (2002).

### Piers

Moment-Inelastic Rotation Behavior of Longitudinally Stiffened Beams. —Mitsuru Ito, Eiki Karatani, and Yoshihide Komuro; 7(4), 223-8 (2002).

### Piles

Analysis and Testing of Piles for Ship Impact Defenses. —Armin Patsch, Carlos F. Gerbaudo, and Carlos A. Prato; 7(4), 236-44 (2002).

Strain Wedge Model Capability of Analyzing Behavior of Laterally Loaded Isolated Piles, Drilled Shafts, and Pile Groups. —Mohamed Ashour, Gary Norris, and Patrick Pilling; 7(4), 245-54 (2002).

### Piles groups

Strain Wedge Model Capability of Analyzing Behavior of Laterally Loaded Isolated Piles, Drilled Shafts, and Pile Groups. —Mohamed Ashour, Gary Norris, and Patrick Pilling; 7(4), 245-54 (2002).

### Portugal

Dynamic Analysis of Metallic Arch Railway Bridge. —R. Calçada, A. Cunha, and R. Delgado; 7(4), 214-22 (2002).

### Post-tensioning

Simulated Field Testing of High Performance Grouts for Post-Tensioning. —A. J. Schokker, John E. Breen, and M. E. Kreger; 7(2), 127-33 (2002).

### Prestressing

Single-Span Prestressed Girder Bridge: LRFD Design and Comparison. —Richard J. Nielsen and Edwin R. Schmeckpeper; 7(1), 22-30 (2002).

### Probability

Simple Probability-Based Assessment of Bridges under Scenario Earthquakes. —Giorgio Monti and Nicola Nisticò; 7(2), 104-14 (2002).



## Rehabilitation

Repair of 130-Year Old Masonry Bridge using High-Performance Cement Grout. — S. Perret, K. H. Khayat, E. Gagnon, and J. Rhazi; 7(1), 31-8 (2002).

Response of Slab Bridges Before, During, and After Repair. — Bahram M. Shahrooz, Vijay Saraf, Bhushan Godbole, and Richard A. Miller; 7(5), 267-75 (2002).

Flexural Reliability of Reinforced Concrete Bridge Girders Strengthened with Carbon Fiber-Reinforced Polymer Laminates. — Ayman M. Okeil, Sherif El-Tawil, and Mohsen Shahawy; 7(5), 290-9 (2002).

## Reliability

Flexural Reliability of Reinforced Concrete Bridge Girders Strengthened with Carbon Fiber-Reinforced Polymer Laminates. — Ayman M. Okeil, Sherif El-Tawil, and Mohsen Shahawy; 7(5), 290-9 (2002).

## Retrofitting

Seismic Performance of Multisimple-Span Bridges Retrofitted with Link Slabs. — A. Caner, E. Dogan, and P. Zia; 7(2), 85-93 (2002).

## Seismic analysis

Response Spectrum Analysis of Suspension Bridges for Random Ground Motion. — Said M. Allam and T. K. Datta; 7(6), 325-37 (2002).

## Seismic design

Seismic Design of Lifeline Bridge using Hybrid Seismic Isolation. — Murat Dicleli; 7(2), 94-103 (2002).

## Seismic effects

Seismic Performance of Multisimple-Span Bridges Retrofitted with Link Slabs. — A. Caner, E. Dogan, and P. Zia; 7(2), 85-93 (2002).

## Seismic isolation

Seismic Design of Lifeline Bridge using Hybrid Seismic Isolation. — Murat Dicleli; 7(2), 94-103 (2002).

## Seismic responses

Seismic Performance of Hollow High-Strength Concrete Bridge Columns. — Y. L. Mo and I. C. Nien; 7(6), 338-49 (2002).

## Shear lag

Shear Lag in Box Girder Bridges. — Q. Z. Luo, Q. S. Li, and J. Tang; 7(5), 308-13 (2002).

## Shear modulus

Evaluation of Low-Temperature Test Methods for Elastomeric Bridge Bearings. — Ahmet Yakut and Joseph A. Yura; 7(1), 50-6 (2002).

## Ship motion

Analysis and Testing of Piles for Ship Impact Defenses. — Armin Patsch, Carlos F. Gerbaudo, and Carlos A. Prato; 7(4), 236-44 (2002).

## Slabs

Seismic Performance of Multisimple-Span Bridges Retrofitted with Link Slabs. — A. Caner, E. Dogan, and P. Zia; 7(2), 85-93 (2002).

## Slenderness ratio

Moment-Inelastic Rotation Behavior of Longitudinally Stiffened Beams. — Mitsuru Ito, Eiki Karatani, and Yoshihide Komuro; 7(4), 223-8 (2002).

## Soil-pile interaction

Strain Wedge Model Capability of Analyzing Behavior of Laterally Loaded Isolated Piles, Drilled Shafts, and Pile Groups. — Mohamed Ashour, Gary Norris, and Patrick Pilling; 7(4), 245-54 (2002).

## Soil-structure interaction

Improving the Response of Soil-Metal Structures during Construction. — Hesham Mohammed, John B. Kennedy, and Peter Smith; 7(1), 6-13 (2002).

## Spectral analysis

Response Spectrum Analysis of Suspension Bridges for Random Ground Motion. — Said M. Allam and T. K. Datta; 7(6), 325-37 (2002).

## Static loads

Performance of Overlays Placed Over Sealed Decks under Static and Fatigue Loading. — Jeremiah Cole, Arnol J. Gillum, and Bahram M. Shahrooz; 7(4), 206-13 (2002).

## Steel decks

Dynamic Behavior of Steel Deck Tension-Tied Arch Bridges to Seismic Excitation. — Morteza A. M. Torkamani and Hak E. Lee; 7(1), 57-67 (2002).

## Steel frames

Analytic Model of Long-Span Self-Shored Arch Bridge. — Zhong Liu, Fang Li, and W. M. Kim Roddis; 7(1), 14-21 (2002).

## Stiffeners

Moment-Inelastic Rotation Behavior of Longitudinally Stiffened Beams. — Mitsuru Ito, Eiki Karatani, and Yoshihide Komuro; 7(4), 223-8 (2002).

## Stiffness

Effects of Edge-Stiffening Elements and Diaphragms on Bridge Resistance and Load Distribution. — Christopher D. Eamon and Andrzej S. Nowak; 7(5), 258-66 (2002).

## Studs

Large Shear Studs for Composite Action in Steel Bridge Girders. — Sameh S. Badie, Maher K. Tadros, Hussam F. Kakish, Darin L. Splittgerber, and Mantu C. Baishya; 7(3), 195-203 (2002).

## Taiwan

Seismic Performance of Hollow High-Strength Concrete Bridge Columns. — Y. L. Mo and I. C. Nien; 7(6), 338-49 (2002).

## Temperature

Extreme Thermal Loading on Steel Bridges in Tropical Region. — Man Tong, Leslie G. Tham, and Francis T. K. Au; 7(6), 357-66 (2002).

## Temperature effects

Evaluation of Low-Temperature Test Methods for Elastomeric Bridge Bearings. — Ahmet Yakut and Joseph A. Yura; 7(1), 50-6 (2002).

Measurements of Thermal Gradients and their Effects on Segmental Concrete Bridge. — Carin L. Roberts-Wollman, John E. Breen, and Jason Cawse; 7(3), 166-74 (2002).

## Texas

Analytical and Field Investigation of Roma Suspension Bridge. — Domenic A. Coletti; 7(3), 156-65 (2002).

## Thermal gradients

Measurements of Thermal Gradients and their Effects on Segmental Concrete Bridge. — Carin L. Roberts-Wollman, John E. Breen, and Jason Cawse; 7(3), 166-74 (2002).

Extreme Thermal Loading on Steel Bridges in Tropical Region. — Man Tong, Leslie G. Tham, and Francis T. K. Au; 7(6), 357-66 (2002).

## Welds

Large Shear Studs for Composite Action in Steel Bridge Girders. — Sameh S. Badie, Maher K. Tadros, Hussam F. Kakish, Darin L. Splittgerber, and Mantu C. Baishya; 7(3), 195-203 (2002).

## Wood

Reinforcing Transverse Glulam Deck Panels with Through-bolted Glulam Stiffener Beams: Theoretical Analysis. — Ray W. Witmer, Jr., Harvey B. Manbeck, John J. Janowiak, and Perry Schram; 7(6), 367-71 (2002).

## Author Index

**Abeyasinghe, Ranjit S.**

Pushover Analysis of Inelastic Seismic Behavior of Greveniotikos Bridge. —Ranjit S. Abeyasinghe, Evgenia Gavaise, Marco Rosignoli, and Theodoros Tzaveas; 7(2), 115-26 (2002).

**Allam, Said M.**

Response Spectrum Analysis of Suspension Bridges for Random Ground Motion. —Said M. Allam and T. K. Datta; 7(6), 325-37 (2002).

**Ashour, Mohamed**

Strain Wedge Model Capability of Analyzing Behavior of Laterally Loaded Isolated Piles, Drilled Shafts, and Pile Groups. —Mohamed Ashour, Gary Norris, and Patrick Pilling; 7(4), 245-54 (2002).

**Au, Francis T. K.**

Extreme Thermal Loading on Steel Bridges in Tropical Region. —Man Tong, Leslie G. Tham, and Francis T. K. Au; 7(6), 357-66 (2002).

**Badie, Sameh S.**

Large Shear Studs for Composite Action in Steel Bridge Girders. —Sameh S. Badie, Maher K. Tadros, Hussam F. Kakish, Darin L. Splittergerber, and Mantu C. Baishya; 7(3), 195-203 (2002).

**Baishya, Mantu C.**

Large Shear Studs for Composite Action in Steel Bridge Girders. —Sameh S. Badie, Maher K. Tadros, Hussam F. Kakish, Darin L. Splittergerber, and Mantu C. Baishya; 7(3), 195-203 (2002).

**Bakht, Baidar**

Closure to "Behavior of Transverse Confining Systems for Steel-Free Deck Slabs," by Baidar Bakht and Clifford Lam. —Baidar Bakht and Clifford Lam; 7(1), 68-70 (2002).

**Breen, John E.**

Simulated Field Testing of High Performance Grouts for Post-Tensioning. —A. J. Schokker, John E. Breen, and M. E. Kreger; 7(2), 127-33 (2002).

Measurements of Thermal Gradients and their Effects on Segmental Concrete Bridge. —Carin L. Roberts-Wollman, John E. Breen, and Jason Cawse; 7(3), 166-74 (2002).

**Calçada, R.**

Dynamic Analysis of Metallic Arch Railway Bridge. —R. Calçada, A. Cunha, and R. Delgado; 7(4), 214-22 (2002).

**Caner, A.**

Seismic Performance of Multisimple-Span Bridges Retrofitted with Link Slabs. —A. Caner, E. Dogan, and P. Zia; 7(2), 85-93 (2002).

**Cawse, Jason**

Measurements of Thermal Gradients and their Effects on Segmental Concrete Bridge. —Carin L. Roberts-Wollman, John E. Breen, and Jason Cawse; 7(3), 166-74 (2002).

**Choi, Youngjae**

Cable Erection Test at Splay Band for Spatial Suspension Bridge. —Heungbae Gil and Youngjae Choi; 7(5), 300-7 (2002).

**Cole, Jeremiah**

Performance of Overlays Placed Over Sealed Decks under Static and Fatigue Loading. —Jeremiah Cole, Arnol J. Gillum, and Bahram M. Shahrooz; 7(4), 206-13 (2002).

**Coletti, Domenic A.**

Analytical and Field Investigation of Roma Suspension Bridge. —Domenic A. Coletti; 7(3), 156-65 (2002).

**Cunha, A.**

Dynamic Analysis of Metallic Arch Railway Bridge. —R. Calçada, A. Cunha, and R. Delgado; 7(4), 214-22 (2002).

**Datta, T. K.**

Response Spectrum Analysis of Suspension Bridges for Random Ground Motion. —Said M. Allam and T. K. Datta; 7(6), 325-37 (2002).

**Delgado, R.**

Dynamic Analysis of Metallic Arch Railway Bridge. —R. Calçada, A. Cunha, and R. Delgado; 7(4), 214-22 (2002).

**DePiero, Anthony H.**

Finite-Element Modeling of Bridge Deck Connection Details. —Anthony H. DePiero, Robert K. Paasch, and Steven C. Lovejoy; 7(4), 229-35 (2002).

**DeWolf, John T.**

Dynamic Monitoring of Steel Girder Highway Bridge. —Jun Zhao and John T. DeWolf; 7(6), 350-6 (2002).

**Dicleli, Murat**

Seismic Design of Lifeline Bridge using Hybrid Seismic Isolation. —Murat Dicleli; 7(2), 94-103 (2002).

**Dogan, E.**

Seismic Performance of Multisimple-Span Bridges Retrofitted with Link Slabs. —A. Caner, E. Dogan, and P. Zia; 7(2), 85-93 (2002).

**Eamon, Christopher D.**

Effects of Edge-Stiffening Elements and Diaphragms on Bridge Resistance and Load Distribution. —Christopher D. Eamon and Andrzej S. Nowak; 7(5), 258-66 (2002).

**El-Tawil, Sherif**

Flexural Reliability of Reinforced Concrete Bridge Girders Strengthened with Carbon Fiber-Reinforced Polymer Laminates. —Ayman M. Okeil, Sherif El-Tawil, and Mohsen Shahawy; 7(5), 290-9 (2002).

**Franco, Jason M.**

Performance Evaluation of Jointless Bridges. —Hemanth K. Thippeswamy, Hota V. S. Ganga-Rao, and Jason M. Franco; 7(5), 276-89 (2002).

**Frank, Karl H.**

Field Evaluation of Decommissioned Noncomposite Steel Girder Bridge. —David V. Jáuregui, Joseph A. Yura, Karl H. Frank, and Sharon L. Wood; 7(1), 39-49 (2002).

**Gagnon, E.**

Repair of 130-Year Old Masonry Bridge using High-Performance Cement Grout. —S. Perret, K. H. Khayat, E. Gagnon, and J. Rhazi; 7(1), 31-8 (2002).

**GangaRao, Hota V. S.**

Performance Evaluation of Jointless Bridges. —Hemanth K. Thippeswamy, Hota V. S. Ganga-Rao, and Jason M. Franco; 7(5), 276-89 (2002).

**Gavaise, Evgenia**

Pushover Analysis of Inelastic Seismic Behavior of Greveniotikos Bridge. —Ranjit S. Abeyasinghe, Evgenia Gavaise, Marco Rosignoli, and Theodoros Tzaveas; 7(2), 115-26 (2002).

**Gerbaudo, Carlos F.**

Analysis and Testing of Piles for Ship Impact Defenses. —Armin Patsch, Carlos F. Gerbaudo, and Carlos A. Prato; 7(4), 236-44 (2002).

**Gil, Heungbae**

Cable Erection Test at Splay Band for Spatial Suspension Bridge. —Heungbae Gil and Youngjae Choi; 7(5), 300-7 (2002).

**Gillum, Arnol J.**

Performance of Overlays Placed Over Sealed Decks under Static and Fatigue Loading. —Jeremiah Cole, Arnol J. Gillum, and Bahram M. Shahrooz; 7(4), 206-13 (2002).

**Godbole, Bhushan**

Response of Slab Bridges Before, During, and After Repair. —Bahram M. Shahrooz, Vijay Saraf, Bhushan Godbole, and Richard A. Miller; 7(5), 267-75 (2002).

**Griggs, Francis E., Jr.**

Kentucky River High Bridge. —Francis E. Griggs, Jr.; 7(2), 73-84 (2002).

Squire Whipple—Father of Iron Bridges. —Francis E. Griggs, Jr.; 7(3), 146-55 (2002).

**Ito, Mitsuru**

Moment-Inelastic Rotation Behavior of Longitudinally Stiffened Beams. —Mitsuru Ito, Eiki Karatani, and Yoshihide Komuro; 7(4), 223-8 (2002).

**Janowiak, John J.**

Reinforcing Transverse Glulam Deck Panels with Through-bolted Glulam Stiffener Beams: Theoretical Analysis. —Ray W. Witmer, Jr., Harvey B. Manbeck, John J. Janowiak, and Perry Schram; 7(6), 367-71 (2002).

**Jáuregui, David V.**

Field Evaluation of Decommissioned Noncomposite Steel Girder Bridge. —David V. Jáuregui, Joseph A. Yura, Karl H. Frank, and Sharon L. Wood; 7(1), 39-49 (2002).

**Kakish, Hussam F.**

Large Shear Studs for Composite Action in Steel Bridge Girders. — Sameh S. Badie, Maher K. Tadros, Hussam F. Kakish, Darin L. Splitterger, and Mantu C. Baishya; 7(3), 195-203 (2002).

**Karatani, Eiki**

Moment-Inelastic Rotation Behavior of Longitudinally Stiffened Beams. — Mitsuru Ito, Eiki Karatani, and Yoshihide Komuro; 7(4), 223-8 (2002).

**Kennedy, John B.**

Improving the Response of Soil-Metal Structures during Construction. — Hesham Mohammed, John B. Kennedy, and Peter Smith; 7(1), 6-13 (2002).

Literature Review in Analysis of Box-Girder Bridges. — Khaled M. Sennah and John B. Kennedy; 7(2), 134-43 (2002).

Distribution of Wheel Loads on Continuous Steel Spread-Box Girder Bridges. — Magdy Samaan, Khaled M. Sennah, and John B. Kennedy; 7(3), 175-83 (2002).

**Khayat, K. H.**

Repair of 130-Year Old Masonry Bridge using High-Performance Cement Grout. — S. Perret, K. H. Khayat, E. Gagnon, and J. Rhazi; 7(1), 31-8 (2002).

**Komuro, Yoshihide**

Moment-Inelastic Rotation Behavior of Longitudinally Stiffened Beams. — Mitsuru Ito, Eiki Karatani, and Yoshihide Komuro; 7(4), 223-8 (2002).

**Kreger, M. E.**

Simulated Field Testing of High Performance Grouts for Post-Tensioning. — A. J. Schokker, John E. Breen, and M. E. Kreger; 7(2), 127-33 (2002).

**Lam, Clifford**

Closure to "Behavior of Transverse Confining Systems for Steel-Free Deck Slabs," by Baidar Bakht and Clifford Lam. — Baidar Bakht and Clifford Lam; 7(1), 68-70 (2002).

**Lee, Hak E.**

Dynamic Behavior of Steel Deck Tension-Tied Arch Bridges to Seismic Excitation. — Morteza A. M. Torkamani and Hak E. Lee; 7(1), 57-67 (2002).

**Li, Fang**

Analytic Model of Long-Span Self-Shored Arch Bridge. — Zhong Liu, Fang Li, and W. M. Kim Roddis; 7(1), 14-21 (2002).

**Li, Q. S.**

Shear Lag in Box Girder Bridges. — Q. Z. Luo, Q. S. Li, and J. Tang; 7(5), 308-13 (2002).

**Liu, Zhong**

Analytic Model of Long-Span Self-Shored Arch Bridge. — Zhong Liu, Fang Li, and W. M. Kim Roddis; 7(1), 14-21 (2002).

**Lovejoy, Steven C.**

Finite-Element Modeling of Bridge Deck Connection Details. — Anthony H. DePiero, Robert K. Paasch, and Steven C. Lovejoy; 7(4), 229-35 (2002).

**Lui, E. M.**

Refined Stick Model for Dynamic Analysis of Skew Highway Bridges. — J.-Y. Meng and E. M. Lui; 7(3), 184-94 (2002).

**Luo, Q. Z.**

Shear Lag in Box Girder Bridges. — Q. Z. Luo, Q. S. Li, and J. Tang; 7(5), 308-13 (2002).

**Manbeck, Harvey B.**

Reinforcing Transverse Glulam Deck Panels with Through-bolted Glulam Stiffener Beams: Theoretical Analysis. — Ray W. Witmer, Jr., Harvey B. Manbeck, John J. Janowiak, and Perry Schram; 7(6), 367-71 (2002).

**Manzanarez, Rafael**

Design of Looping Cable Anchorage System for New San Francisco-Oakland Bay Bridge Main Suspension Span. — John Sun, Rafael Manzanarez, and Marwan Nader; 7(6), 315-24 (2002).

**Meng, J.-Y.**

Refined Stick Model for Dynamic Analysis of Skew Highway Bridges. — J.-Y. Meng and E. M. Lui; 7(3), 184-94 (2002).

**Mertz, Dennis R.**

Editor's Note. — Dennis R. Mertz; 7(2), 72 (2002).  
Editor's Note. — Dennis R. Mertz; 7(3), 145 (2002).  
Editor's Note. — Dennis R. Mertz; 7(4), 205 (2002).  
Editor's Note. — Dennis R. Mertz; 7(5), 257 (2002).

**Miller, Richard A.**

Response of Slab Bridges Before, During, and After Repair. — Bahram M. Shahrooz, Vijay Saraf, Bhushan Godbole, and Richard A. Miller; 7(5), 267-75 (2002).

**Mo, Y. L.**

Seismic Performance of Hollow High-Strength Concrete Bridge Columns. — Y. L. Mo and I. C. Nien; 7(6), 338-49 (2002).

**Mohammed, Hesham**

Improving the Response of Soil-Metal Structures during Construction. — Hesham Mohammed, John B. Kennedy, and Peter Smith; 7(1), 6-13 (2002).

**Monti, Giorgio**

Simple Probability-Based Assessment of Bridges under Scenario Earthquakes. — Giorgio Monti and Nicola Nisticò; 7(2), 104-14 (2002).

**Nader, Marwan**

Design of Looping Cable Anchorage System for New San Francisco-Oakland Bay Bridge Main Suspension Span. — John Sun, Rafael Manzanarez, and Marwan Nader; 7(6), 315-24 (2002).

**Nielsen, Richard J.**

Single-Span Prestressed Girder Bridge: LRFD Design and Comparison. — Richard J. Nielsen and Edwin R. Schmeckpeper; 7(1), 22-30 (2002).

**Nien, I. C.**

Seismic Performance of Hollow High-Strength Concrete Bridge Columns. — Y. L. Mo and I. C. Nien; 7(6), 338-49 (2002).

**Nisticò, Nicola**

Simple Probability-Based Assessment of Bridges under Scenario Earthquakes. — Giorgio Monti and Nicola Nisticò; 7(2), 104-14 (2002).

**Norris, Gary**

Strain Wedge Model Capability of Analyzing Behavior of Laterally Loaded Isolated Piles, Drilled Shafts, and Pile Groups. — Mohamed Ashour, Gary Norris, and Patrick Pilling; 7(4), 245-54 (2002).

**Nowak, Andrzej S.**

Effects of Edge-Stiffening Elements and Diaphragms on Bridge Resistance and Load Distribution. — Christopher D. Eamon and Andrzej S. Nowak; 7(5), 258-66 (2002).

**Okeil, Ayman M.**

Flexural Reliability of Reinforced Concrete Bridge Girders Strengthened with Carbon Fiber-Reinforced Polymer Laminates. — Ayman M. Okeil, Sherif El-Tawil, and Mohsen Shahawy; 7(5), 290-9 (2002).

**Paasch, Robert K.**

Finite-Element Modeling of Bridge Deck Connection Details. — Anthony H. DePiero, Robert K. Paasch, and Steven C. Lovejoy; 7(4), 229-35 (2002).

**Patsch, Armin**

Analysis and Testing of Piles for Ship Impact Defenses. — Armin Patsch, Carlos F. Gerbaudo, and Carlos A. Prato; 7(4), 236-44 (2002).

**Perret, S.**

Repair of 130-Year Old Masonry Bridge using High-Performance Cement Grout. — S. Perret, K. H. Khayat, E. Gagnon, and J. Rhazi; 7(1), 31-8 (2002).

**Pilling, Patrick**

Strain Wedge Model Capability of Analyzing Behavior of Laterally Loaded Isolated Piles, Drilled Shafts, and Pile Groups. — Mohamed Ashour, Gary Norris, and Patrick Pilling; 7(4), 245-54 (2002).

**Prato, Carlos A.**

Analysis and Testing of Piles for Ship Impact Defenses. — Armin Patsch, Carlos F. Gerbaudo, and Carlos A. Prato; 7(4), 236-44 (2002).

**Rhazi, J.**

Repair of 130-Year Old Masonry Bridge using High-Performance Cement Grout. — S. Perret, K. H. Khayat, E. Gagnon, and J. Rhazi; 7(1), 31-8 (2002).

**Roberts-Wollman, Carin L.**

Measurements of Thermal Gradients and their Effects on Segmental Concrete Bridge. — Carin L. Roberts-Wollman, John E. Breen, and Jason Cawse; 7(3), 166-74 (2002).

**Roddis, W. M. Kim**

Analytic Model of Long-Span Self-Shored Arch Bridge. — Zhong Liu, Fang Li, and W. M. Kim Roddis; 7(1), 14-21 (2002).

**Rosignoli, Marco**

Pushover Analysis of Inelastic Seismic Behavior of Greveniotikos Bridge. — Ranjit S. Abeyinghe, Evgenia Gavai, Marco Rosignoli, and Theodoros Tzaveas; 7(2), 115-26 (2002).

**Samaan, Magdy**

Distribution of Wheel Loads on Continuous Steel Spread-Box Girder Bridges. — Magdy Samaan, Khaled M. Sennah, and John B. Kennedy; 7(3), 175-83 (2002).

**Saraf, Vijay**

Response of Slab Bridges Before, During, and After Repair. — Bahram M. Shahrooz, Vijay Saraf, Bhushan Godbole, and Richard A. Miller; 7(5), 267-75 (2002).

**Schmeckpeper, Edwin R.**

Single-Span Prestressed Girder Bridge: LRFD Design and Comparison. — Richard J. Nielsen and Edwin R. Schmeckpeper; 7(1), 22-30 (2002).

**Schokker, A. J.**

Simulated Field Testing of High Performance Girders for Post-Tensioning. — A. J. Schokker, John E. Breen, and M. E. Kreger; 7(2), 127-33 (2002).

**Schram, Perry**

Reinforcing Transverse Glulam Deck Panels with Through-bolted Glulam Stiffener Beams: Theoretical Analysis. — Ray W. Witmer, Jr., Harvey B. Manbeck, John J. Janowiak, and Perry Schram; 7(6), 367-71 (2002).

**Sennah, Khaled M.**

Literature Review in Analysis of Box-Girder Bridges. — Khaled M. Sennah and John B. Kennedy; 7(2), 134-43 (2002).

Distribution of Wheel Loads on Continuous Steel Spread-Box Girder Bridges. — Magdy Samaan, Khaled M. Sennah, and John B. Kennedy; 7(3), 175-83 (2002).

**Shahawy, Mohsen**

Flexural Reliability of Reinforced Concrete Bridge Girders Strengthened with Carbon Fiber-Reinforced Polymer Laminates. — Ayman M. Okeil, Sherif El-Tawil, and Mohsen Shahawy; 7(5), 290-9 (2002).

**Shahrooz, Bahram M.**

Performance of Overlays Placed Over Sealed Decks under Static and Fatigue Loading. — Jeremiah Cole, Arnol J. Gillum, and Bahram M. Shahrooz; 7(4), 206-13 (2002).

Response of Slab Bridges Before, During, and After Repair. — Bahram M. Shahrooz, Vijay Saraf, Bhushan Godbole, and Richard A. Miller; 7(5), 267-75 (2002).

**Smith, Peter**

Improving the Response of Soil-Metal Structures during Construction. — Hesham Mohammed, John B. Kennedy, and Peter Smith; 7(1), 6-13 (2002).

**Splittergerber, Darin L.**

Large Shear Studs for Composite Action in Steel Bridge Girders. — Sameh S. Badie, Maher K. Tadros, Hussam F. Kakish, Darin L. Splittergerber, and Mantu C. Baishya; 7(3), 195-203 (2002).

**Sun, John**

Design of Looping Cable Anchorage System for New San Francisco-Oakland Bay Bridge Main Suspension Span. — John Sun, Rafael Manzanarez, and Marwan Nader; 7(6), 315-24 (2002).

**Tadros, Maher K.**

Large Shear Studs for Composite Action in Steel Bridge Girders. — Sameh S. Badie, Maher K. Tadros, Hussam F. Kakish, Darin L. Splittergerber, and Mantu C. Baishya; 7(3), 195-203 (2002).

**Tang, J.**

Shear Lag in Box Girder Bridges. — Q. Z. Luo, Q. S. Li, and J. Tang; 7(5), 308-13 (2002).

**Tham, Leslie G.**

Extreme Thermal Loading on Steel Bridges in Tropical Region. — Man Tong, Leslie G. Tham, and Francis T. K. Au; 7(6), 357-66 (2002).

**Thambirajah, Percy A.**

Discussion of "Behavior of Transverse Confining Systems for Steel-Free Deck Slabs," by Baidar Bakht and Clifford Lam. — Percy A. Thambirajah; 7(1), 68 (2002).

**Thippeswamy, Hemanth K.**

Performance Evaluation of Jointless Bridges. — Hemanth K. Thippeswamy, Hota V. S. Gangarao, and Jason M. Franco; 7(5), 276-89 (2002).

**Tong, Man**

Extreme Thermal Loading on Steel Bridges in Tropical Region. — Man Tong, Leslie G. Tham, and Francis T. K. Au; 7(6), 357-66 (2002).

**Torkamani, Morteza A. M.**

Dynamic Behavior of Steel Deck Tension-Tied Arch Bridges to Seismic Excitation. — Morteza A. M. Torkamani and Hak E. Lee; 7(1), 57-67 (2002).

**Tzaveas, Theodoros**

Pushover Analysis of Inelastic Seismic Behavior of Greveniotikos Bridge. — Ranjit S. Abeysinghe, Evgenia Gavaise, Marco Rosignoli, and Theodoros Tzaveas; 7(2), 115-26 (2002).

**Wasserman, Edward P.**

Optimization of HPS 70W Applications. — Edward P. Wasserman; 7(1), 1-5 (2002).

**Witmer, Ray W., Jr.**

Reinforcing Transverse Glulam Deck Panels with Through-bolted Glulam Stiffener Beams: Theoretical Analysis. — Ray W. Witmer, Jr., Harvey B. Manbeck, John J. Janowiak, and Perry Schram; 7(6), 367-71 (2002).

**Wood, Sharon L.**

Field Evaluation of Decommissioned Noncomposite Steel Girder Bridge. — David V. Jáuregui, Joseph A. Yura, Karl H. Frank, and Sharon L. Wood; 7(1), 39-49 (2002).

**Yakut, Ahmet**

Evaluation of Low-Temperature Test Methods for Elastomeric Bridge Bearings. — Ahmet Yakut and Joseph A. Yura; 7(1), 50-6 (2002).

**Yura, Joseph A.**

Field Evaluation of Decommissioned Noncomposite Steel Girder Bridge. — David V. Jáuregui, Joseph A. Yura, Karl H. Frank, and Sharon L. Wood; 7(1), 39-49 (2002).

Evaluation of Low-Temperature Test Methods for Elastomeric Bridge Bearings. — Ahmet Yakut and Joseph A. Yura; 7(1), 50-6 (2002).

**Zhao, Jun**

Dynamic Monitoring of Steel Girder Highway Bridge. — Jun Zhao and John T. DeWolf; 7(6), 350-6 (2002).

**Zia, P.**

Seismic Performance of Multisimple-Span Bridges Retrofitted with Link Slabs. — A. Caner, E. Dogan, and P. Zia; 7(2), 85-93 (2002).



